

Based Upon: PCT/RU2004/000366

ABSTRACT OF THE DISCLOSURE

Biology and medicine that can be used for cleaning biological fluids and for bringing the content to meet physiological standards. An absorbent includes a ferromagnetic nucleus with a one-layer or two-layer shell or devoid thereof and the nucleus is embodied in the form of a plate with a planar size that ranges from 500-5000 μm and the thickness is equal to 0.1-1000 μm . The method for producing the inventive magnetically-operated absorbent includes evaporating and/or melting a magnetic material powder in a low-temperature plasma, quenching and condensing the thus obtained vaporized and/or melt-particle product in a gas flux, and transferring the product precipitated in the form of crystals or micro slugs of corresponding metals, correspondingly to a stabilizer-containing dispersion medium and holding in the medium until a gas release is over. Then the crystals or micro slugs are processed by flatting, for example pressing so that the plates of a specified thickness are obtained. The plates are repeatedly (up to 10 times) washed with distilled water, the weak sections thereof are separated by exposing them in water, for example to the action of ultrasound with power ranges, for example from 200 to 300 W/cm^2 , and the thus produced plates are dried. The dried plates are broken up, the absorbent nucleuses of a required size are obtained and the shells are formed thereon layer-by-layer. The final product is packed in light-protected sealed containers and sterilized, for example by γ -radiation. The final product can be also

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selected in the form of an absorbent produced immediately after the fractionation thereof.